



Industrial Control System Programming Skill Set

State ID: GAB03

About this course

Develop your skills in computer based measurement, programming and control

Explore PLC and SCADA systems in this skill set where our strong laboratory and project based approach provides students with practical experience in using these systems in an industry environment. Students will gain experience in working with a small scale system involving designing, programming, fault finding, testing and networking.

This course is ideal for FIFO workers - talk to us about how you can study this course flexibly.

2021 dates:

- Semester 1 - Tuesdays 4:30pm to 8:30pm for 20 weeks starting from 2 February 2021

Requirements of the course:

This course requires both on-campus practical and theory classes; and connectivity to learning management systems for self-paced study.



On-campus practical and theory classes:

For 3 hours every week, you will need to attend workshops and lectures on-campus.



Connectivity to learning management systems for self-paced study:

Once enrolled, you will receive information about how to login to our [eCampus](#). Your study will include 6 to 8 hours a week using Blackboard, where you will access learning content, assignments, lesson plans and pre-reading for classes, at your place of choice, on or off-campus. To access the full suite of software activities, you will need to use College computers at Munster campus.

Course cost:

2021 fees for this course will be published soon.

Overview

This course may be offered with a blended, flexible delivery model to enable social distancing measures to be undertaken during the COVID-19 pandemic. This approach may include a mix of online and classroom based delivery, as well as practical and work experience placements. Lecturers will provide any specific instructions if your training delivery style needs to change.

All year round, 2020

Munster - Part-Time-Classroom



Duration: **20 Weeks**



When: **All year round**



How: **Part Time**

Units

Core

National ID

Unit Title

UEENEEI150A

Develop, enter and verify discrete control programs for programmable controllers

National ID	Unit Title
UEENEEI151A	Develop, enter and verify word and analogue control programs for programmable logic controllers
UEENEEI152A	Develop, enter and verify programs in Supervisory Control and Data Acquisition systems
UEENEEI154A	Design and use advanced programming tools PC networks and HMI Interfacing
UEENEEI155A	Develop structured programs to control external devices

Prerequisites

There are prerequisite requirements which may be covered as recognition of prior learning (RPL) based on previous qualification and work experience.

- UEENEEI101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

Study pathway

This skill set is 1 of 5 evening skill sets offered. Completion of all 5 skill sets will achieve Advanced Diploma of Engineering Technology - Electrical - UEE62111

Job opportunities

On completion of this skill set you will receive a statement of attainment and may be able to work as an Automation Technician/Programmer or Building Control System Technician/Programmer. If you have any relevant experience, you may be able to work as a PLC/SCADA Programmer.

For information about jobs and pathways, please see <http://joboutlook.gov.au/>